

इंटरनेट

मानक

Disclosure to Promote the Right To Information

Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 11847 (1987): Spoke Wrenches for Bicycle and Moped [PGD
5: Assembly Hand Tools]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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Indian Standard

SPECIFICATION FOR
SPOKE WRENCHES FOR BICYCLE AND MOPED

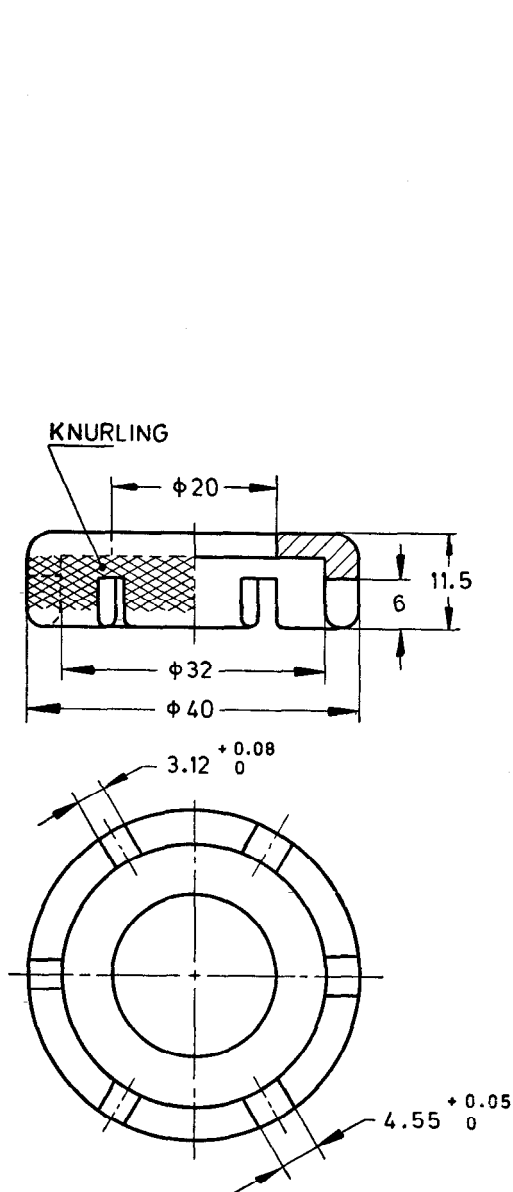
1. Scope — Covers the dimensions and other requirements for spoke wrenches used for tightening or loosening of the spoke nipples of bicycles and mopeds.

2. Types — Shall be of two types depending on number of grooves and sides.

Type A — Six-grooved single side

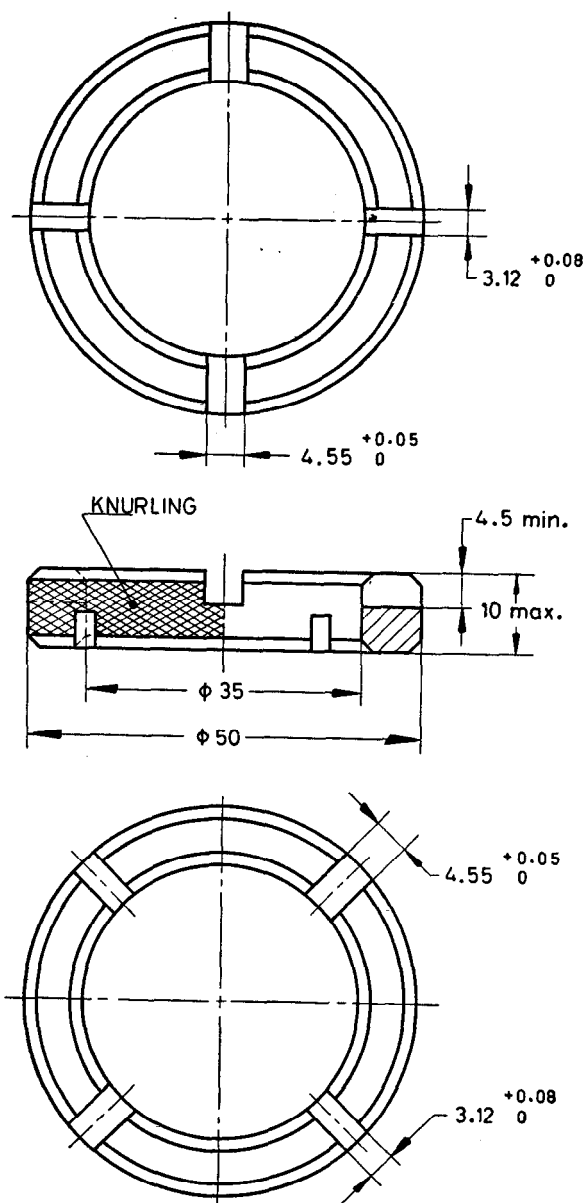
Type B — Four-grooved both sides

3. Dimensions — Shall be as given in Fig. 1 and 2.



All dimensions in millimetres.

FIG. 1 DIMENSIONS FOR SPOKE WRENCH, TYPE A



All dimensions in millimetres.

FIG. 2 DIMENSIONS FOR SPOKE WRENCH, TYPE B

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3.1 Tolerances — Tolerances on the untoleranced dimensions shall be in accordance with medium grade of IS:2102 (Part I)-1980 'General tolerance for linear and angular dimensions (*second revision*)'.

4. Material — Wrenches shall be made from suitable steels meeting the requirements of hardness given in 6.

5. Manufacture, Workmanship and Finish

5.1 The wrenches shall be free from burrs and defects, such as pitting, seams, and scales. The opposite grooves shall lie on the same axis. The circumferential face of the wrench shall be knurled, in accordance with IS:3403-1966 'Dimensions for knurling'.

5.2 Wrenches shall be given suitable anticorrosive treatment such as galvanising, painting or electroplating of nickel and chromium.

6. Hardness — Hardness checked near the grooves shall be 35 *HRC Min.*

7. Sampling — The procedure given in IS:2500 (Part I)-1973 'Sampling inspection table: Part 1 By attributes and by count of defects (*first revision*)' shall be followed for sampling inspection. The sampling plan for various characteristics shall be as given in 7.1.

7.1 For inspection of dimensions, hardness and workmanship and finish, sampling plan with Inspection Level IV and Acceptable Quality Level (AQL) of 4 percent as given in IS:2500 (Part I)-1973 shall be adopted.

8. Packing — Individual types of wrenches shall be packed separately in waterproof paper and finally in cardboard boxes.

9. Marking — Wrenches shall be punched with manufacturer's name/trade-mark and type, size of spoke nipples near each groove.

9.1 Certification Marking — Details available with the Bureau of Indian Standards.

EXPLANATORY NOTE

While truing the rims of bicycles/mopeds; these types of wrenches are used for tightening/loosening of the bicycle/moped spoke nipples, conforming to IS:630-1982 'Bicycle spokes (plain) and nipples for spokes (*second revision*)'; and IS:8116-1976 'Moped spokes and nipples for spokes'. In the preparation of this standard considerable assistance has been taken from the details supplied by the manufacturers of this product.